

Title (en)
WINDSCREEN WIPER DEVICE

Title (de)
SCHEIBENWISCHERANLAGE

Title (fr)
SYSTEME D'ESSUIE GLACE

Publication
EP 2790979 B1 20190807 (EN)

Application
EP 12809497 A 20121214

Priority
• US 201161570559 P 20111214
• US 2012069668 W 20121214

Abstract (en)
[origin: US2013152326A1] A windscreen wiper device for cleaning a windshield of a vehicle is provided. The windscreen wiper device includes a longitudinally extending wiper strip and at least one carrier element in engagement with the wiper strip for operatively supporting and biasing the wiper strip into a predetermined configuration. A base is non-removably coupled to the at least one carrier element and has an opening that extends therethrough to provide access to the at least one carrier element through the base. A connection device is removably secured directly to the at least one carrier element through the opening of the base for attachment with a wiper arm.

IPC 8 full level
B60S 1/38 (2006.01); **B60S 1/40** (2006.01)

CPC (source: EP US)
B60S 1/387 (2013.01 - EP US); **B60S 1/4003** (2013.01 - US); **B60S 1/4038** (2013.01 - US); **B60S 1/3856** (2013.01 - US); **B60S 1/3858** (2013.01 - US); **B60S 1/4009** (2013.01 - EP US); **B60S 2001/3898** (2013.01 - US); **B60S 2001/4054** (2013.01 - EP US); **Y10T 29/49817** (2015.01 - EP US); **Y10T 29/49826** (2015.01 - EP US); **Y10T 29/4987** (2015.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2013152326 A1 20130620; **US 8997304 B2 20150407**; CN 104144828 A 20141112; CN 104144828 B 20160615; EP 2790979 A1 20141022; EP 2790979 B1 20190807; JP 2015500764 A 20150108; JP 6068497 B2 20170125; KR 102022329 B1 20190918; KR 20140106688 A 20140903; PL 2790979 T3 20200131; US 2015210251 A1 20150730; US 9834178 B2 20171205; WO 2013090676 A1 20130620

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US 201213714987 A 20121214; CN 201280069335 A 20121214; EP 12809497 A 20121214; JP 2014547469 A 20121214; KR 20147019373 A 20121214; PL 12809497 T 20121214; US 2012069668 W 20121214; US 201514680602 A 20150407